

10/567294

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

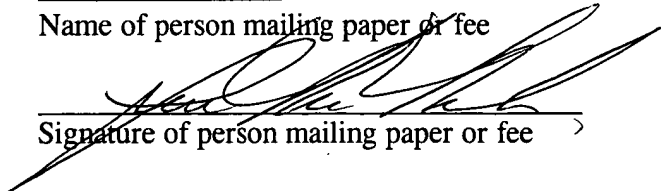
Applicants : Go Mizutani et al.
Serial No. : Not yet assigned (PCT/JP2004/011545)
Filed : Herewith by Express Mail (11 August 2004)
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Ann Marie Mahan

Name of person mailing paper or fee


Signature of person mailing paper or fee

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/011545

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ C09J4/02, C09J163/10, G11B7/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ C09J4/02, C09J163/10, G11B7/24

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2004

Kokai Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| X Y | JP 9-31416 A (Nippon Kayaku Co., Ltd.), 04 February, 1997 (04.02.97), Claims; Par. Nos. [0035] to [0044] & WO 96/34065 A1 & EP 768353 A1 & WO 97/40115 A1 & EP 835917 A1 | 1, 3, 5-9 2, 4 |
| X Y | JP 10-7751 A (Nippon Kayaku Co., Ltd.), 13 January, 1998 (13.01.98), Claims; Par. Nos. [0020] to [0023] (Family: none) | 1, 3, 5-9 2, 4 |
| Y | JP 2002-114949 A (Nippon Kayaku Co., Ltd.), 16 April, 2002 (16.04.02), Claims (Family: none) | 1-9 |

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
17 September, 2004 (17.09.04)

Date of mailing of the international search report
12 October, 2004 (12.10.04)

Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/011545

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| Y | JP 2001-49198 A (JSR Corp.), 20 February, 2001 (20.02.01), Claims; Par. Nos. [0052] to [0053] (Family: none) | 1-9 |
| Y | JP 2000-63446 A (JSR Corp.), 29 February, 2000 (29.02.00), Claims; Par. Nos. [0049] to [0051] & WO 2000/09620 A1 | 1-9 |
| Y | JP 10-287718 A (JSR Corp.), 27 October, 1998 (27.10.98), Claims; Par. Nos. [0033] to [0036] & WO 98/36325 A1 & EP 960355 A2 & WO 2000/11097 A1 & EP 1112330 A2 | 1-9 |

INTERNATIONAL SEARCH REPORT

International application No.

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

The matter common to claims 1-9 is "an adhesive composition (ultraviolet hardenable resin composition) comprising a bisphenol type epoxy (meth)acrylate (A), a di(meth)acrylate compound having cycloether structure (B) and a photopolymerization initiator (C)" recited in claim 1. However, search has revealed that the above common matter is not novel since the invention is one disclosed in the literature set forth in the attached sheet. Thus, the common matter is not special technical feature within the meaning of PCT Rule 13.2.

(Continued to extra sheet.)

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.

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Continuation of Box No.III of continuation of first sheet (2)

Since there exists no other common matter which can constitute a special technical feature, it does not appear that claims 1-9 are directed to a group of inventions linked with each other so as to form a single general inventive concept.